CITY OF SAUSALITO

420 Litho Street, Sausalito, CA 94965

Addendum No. 1

Issued **September 25, 2023**

Woodward Avenue Sewer Main Realignment Project

NOTICE TO ALL PLAN HOLDERS SUBMITTING BIDS FOR THIS WORK:

You are hereby notified of the following information, changes, clarifications or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and subsequent Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain, UNCHANGED.

This Addendum is hereby made a part of the Contract Documents to the same extent as though it were originally included therein.

Questions and answers:

Q1: What is the Woodward structural section?
A1: Not known at project location. Other locations on Woodward had a 4-inch AC section.

Q2: Is groundwater present?
A2: Groundwater may be encountered, but this may be dependent on time of year.

Q3: Is there a soils report?
A3: No

Q4: Looking at the bid schedule and plans there is approximately 255 of existing sewer main to be abandoned and slurry filled. There is no line item for that. How would you like us to bid that?
A4: Please refer to Specification section 10-8.05, last paragraph.

Q4: I was curious, on the Woodward Sewer project the pipe burst portion of the project could that be open trenched?
A4: The City of Sausalito prefers that the contractor rehabilitate the sanitary sewer main using pipe bursting. However, it shall be the contractor's option to use either open trench or pipe bursting of the sanitary sewer main between stations 3+62.75 to 4+84.95 as shown in the Plans. The contractor's unit cost for bid item 14 shall comprise either open trench construction method or pipe bursting, including all necessary shoring, protection of existing utility, trenching, backfilling, and pavement restoration.

Woodward Avenue Sewer Main Realignment Project

Addendum No. 1

Revisions:

Project Plans
Sheet C3.00 – Plan View shows hatching on a portion of the existing Storm Drain. No work is proposed to occur on this storm drain. Note 8 revised.

Sheet C3.01 – Plan View revised to (Open Trench or Pipeburst). Note 8 revised. Sanitary Sewer Profile revised to (Open Trench or Pipeburst)

Project Specifications
Bid Schedule – Revised Bid Item 14

A draft encroachment permit attached to this Addendum 1 is incorporated into the project Specifications.

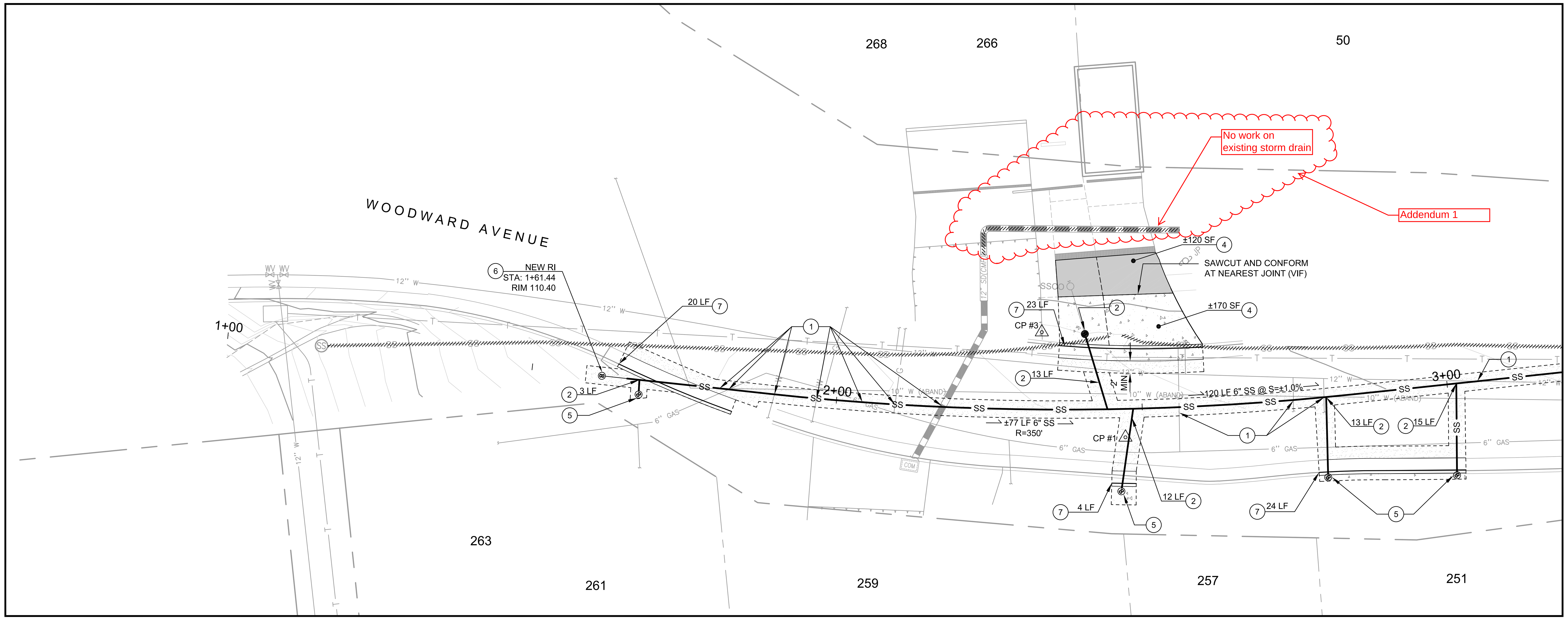
END OF ADDENDUM NO. 1

Issued By: **City of Sausalito**
Andrew Davidson
Senior Engineer

ACKNOWLEDGED

_____
Bidder's Signature
A signed copy of this addendum is to be submitted as a part of the bid package for the subject project. Failure to do so may subject the Bidder to Disqualification.

ADDENDUM 1
9/25/27



PLAN VIEW
SCALE: 1" = 10'

LEGEND

PAVEMENT RESTORATION PER MCSD SD4, SEE DETAIL 1, SHEET C4.00

TRAFFIC RATED CONCRETE PAVEMENT, SEE DETAIL 7, SHEET C4.01

REVOCABLE ITEM - TRAFFIC RATED CONCRETE PAVEMENT, SEE DETAIL 7, SHEET C4.01

KEYNOTES

1. CONTRACTOR SHALL POTHOLE TO VERIFY SIZE AND DEPTH OF EX. UTILITY
2. NEW SS LATERAL PER DETAIL 5, SHEET C4.00 (VERIFY IN FIELD SIZE AND INVERT)
3. EXISTING SSMH REHABILITATION, INSTALL NEW LINER AND COATING FROM BENCH UP TO FRAME, NO WORK ON CHANNEL UNLESS DIRECTED OTHERWISE BY THE ENGINEER
4. RE-CONSTRUCT EX. DRIVEWAY, SAWCUT AT EX. JOINTS, MATCH EX. COLOR AND TEXTURE (VIF)
5. NEW STANDARD SSCO, SEE DETAIL 6, SHEET C4.00
6. NEW RODDING INLET PER MARIN COUNTY SANITARY DISTRICT SD 3, SEE DETAIL 9, SHEET C4.00
7. TYPE A CURB AND GUTTER PER UCS DWG 105, SEE DETAIL 9, SHEET C4.01
8. APPROXIMATE LOCATION OF PIPE BURST PIT

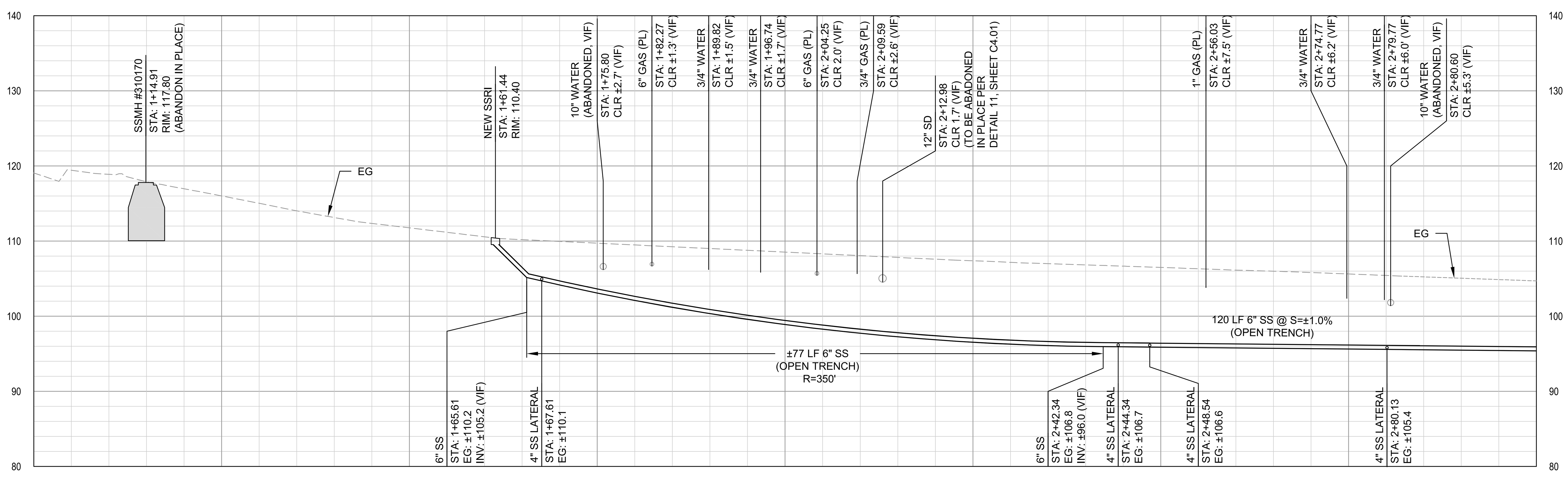
IF PIPE BURSTING IS USED BY CONTRACTOR

Addendum 1

GRAPHIC SCALE
20 0 5 10 20
(IN FEET)
1 inch = 10 ft.

NOTES

1. SEWER MAIN CONSTRUCTION METHODS SHALL BE AS INDICATED IN PLAN (OPEN TRENCH/PIPEBURST) OR AS APPROVED BY THE ENGINEER.
2. SEWER LATERALS REPLACEMENTS SHALL BE OPEN TRENCH OR AS APPROVED BY THE ENGINEER.
3. ALL EXISTING STREETS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN CONFORMANCE WITH THE CITY'S STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE ENGINEER.



SANITARY SEWER PROFILE
SCALE: HOR. 1" = 10' VERT. 1" = 10'

CSW ST2
CSW/Stuber-Stroeh Engineering Group, Inc.
504 Redwood Blvd Novato, CA 94947
tel: 415.883.9850 fax: 415.883.9835
Civil Engineers
Surveying & Mapping
Land Planning
Construction Management
http://www.cswst2.com

Rev	Date	Description	Designed	Drawn	Checked
-	08/31/23	BID SET	JBD	JBD	RJS

WOODWARD AVENUE SEWER MAIN REALIGNMENT
PLAN AND PROFILE (STA 1+00 TO STA 3+00)
SAUSALITO, CALIFORNIA

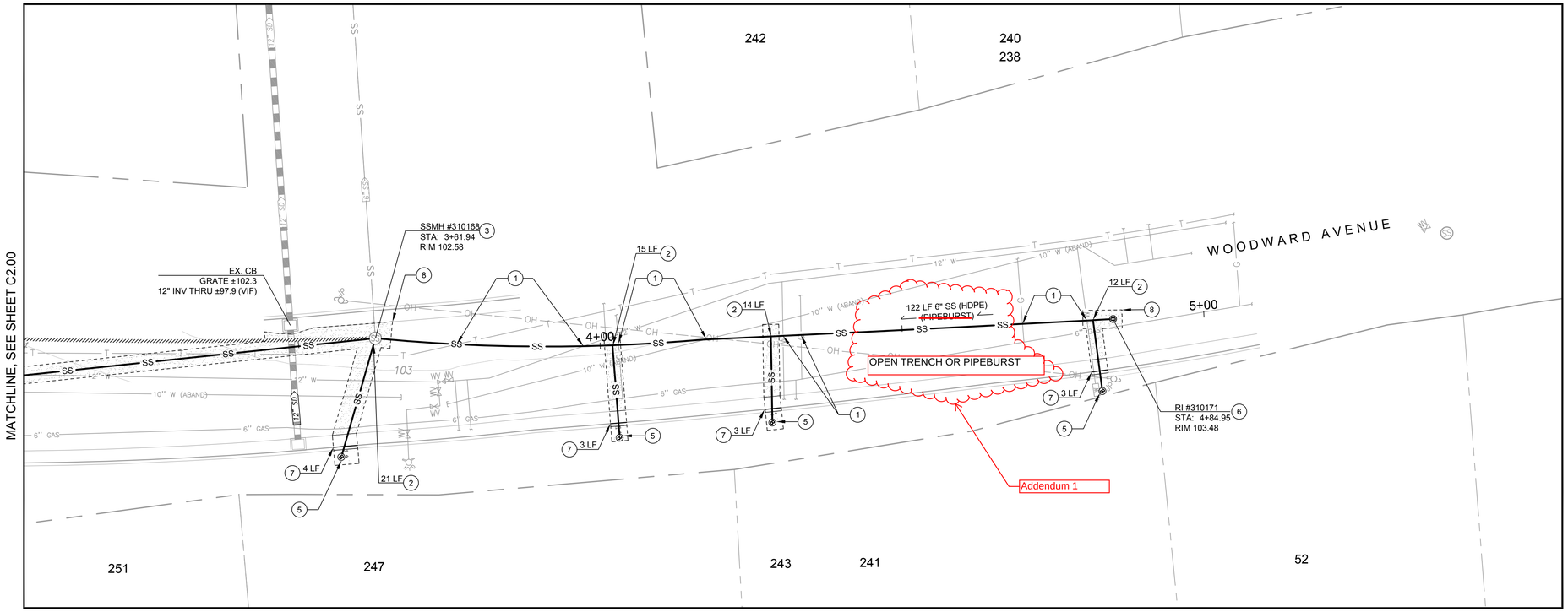
City Of Sausalito
County Of Marin
State Of California

Prepared Under the Direction of:
REGISTERED PROFESSIONAL ENGINEER RICHARD J. SOUZA No. 67892 CIVIL STATE OF CALIFORNIA

Sheet
C3.00

Scale: 1" = 10'
Date: June 2, 2023
Sheet Number: 4 OF 8

ADDENDUM 1
9/25/27



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TRAFFIC RATED CONCRETE PAVEMENT, SEE DETAIL 7, SHEET C4.01

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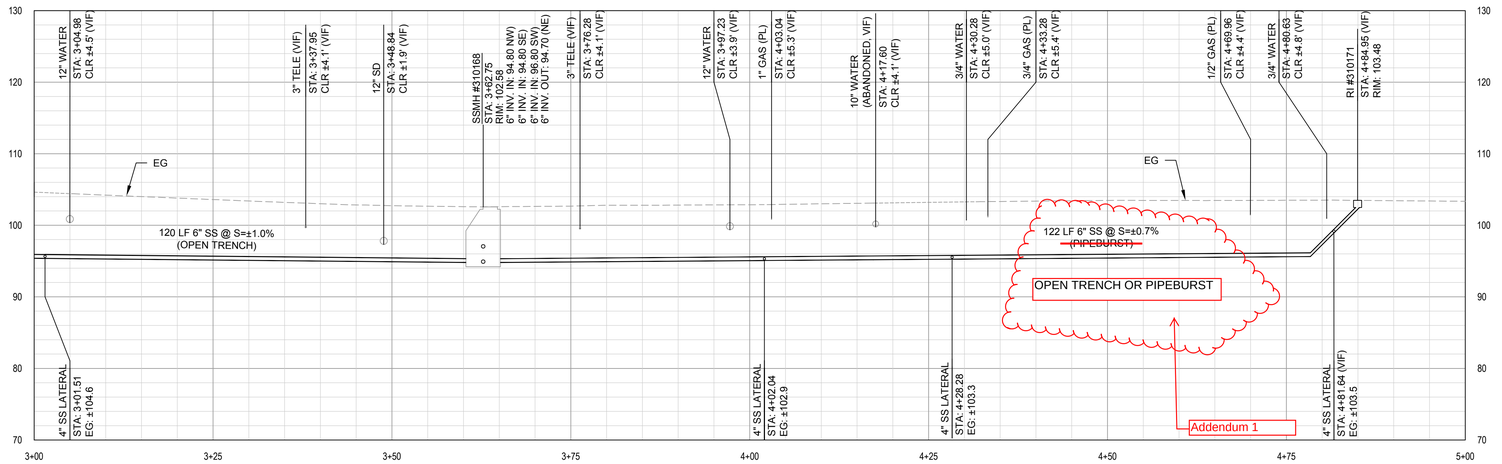

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Rev	Date	Description	Designed	Drawn	Checked
-	08/31/23	BID SET	JBD	JBD	RJS

WOODWARD AVENUE SEWER MAIN REALIGNMENT PLAN AND PROFILE (STA 3+00 TO STA 5+00)

SAUSALITO, CALIFORNIA

City Of Sausalito
County Of Marin
State Of California

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
RICHARD J. SOUZA
No. 67892
CIVIL
STATE OF CALIFORNIA

Sheet
C3.01

Scale:	1" = 10'
Date:	June 2, 2023
Sheet Number:	5 OF 8

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ADDENDUM 1
9/25/23

Bid Schedule

This Bid Schedule must be completed in ink and included with the sealed Bid Proposal. Pricing must be provided for each Bid Item as indicated. Items marked "(SW)" are Specialty Work that must be performed by a qualified Subcontractor. The lump sum or unit cost for each item must be inclusive of all costs, whether direct or indirect, including profit and overhead. The sum of all amounts entered in the "Extended Total Amount" column must be identical to the Base Bid price entered in Section 1 of the Bid Proposal form.

AL = Allowance CF = Cubic Feet CY = Cubic Yard EA = Each LB = Pounds
LF = Linear Foot LS = Lump Sum SF = Square Feet TON = Ton (2000 lbs)

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENDED TOTAL AMOUNT
1	MOBILIZATION/DEMOBILIZATION	1	LS	$	$
2	TRAFFIC CONTROL	1	LS	$	$
3	WATER POLLUTION CONTROL	1	LS	$	$
4	CONSTRUCTION LAYOUT	1	LS	$	$
5	UTILITY POTHOLING	1	LS	$	$
6	REMOVE PAVEMENT & BASE	1,200	SF	$	$
7	REMOVE CURB & GUTTER	84	LF	$	$
8	SSMH ABANDONMENT	2	EA	$	$
9	TRAFFIC RATED CONCRETE PAVEMENT	290	SF	$	$
10	CONCRETE CURB AND GUTTER (Type A UCS #105)	84	LF	$	$
11	4-INCH SANITARY SEWER LATERAL (OPEN TRENCH OR PIPE BURST)	97	LF	$	$
12	6-INCH SANITARY SEWER LATERAL (OPEN TRENCH OR PIPE BURST)	21	LF	$	$
13	6-INCH SANITARY SEWER MAIN – C900 (OPEN TRENCH)	197	LF	$	$
14	6-INCH SANITARY SEWER MAIN – HDPE (OPEN TRENCH OR PIPEBURST)	122	LF	$	$
15	SSCO AND BACKWATER PREVENTION DEVICE (INCLUDE UTILITY BOXES)	8	EA	$	$
16	SANITARY SEWER RODDING INLET (INCLUDE UTILITY BOX)	2	EA	$	$
17	SSMH REHABILITATION	1	EA	$	$

ADDENDUM 1

TOTAL BASE BID: Items 1 through 17 inclusive: $_____

Note: The amount entered as the "Total Base Bid" should be identical to the Base Bid amount entered in Section 1 of the Bid Proposal form.

ADDENDUM 1
9/25/23

BIDDER NAME: _____

END OF BID SCHEDULE

Addendum 1
9/25/23

- ☐ City of Belvedere
- ☐ City of Larkspur
- ☐ City of Mill Valley
- ☐ City of Novato
- ☐ City of San Rafael *
- ☑ City of Sausalito
- ☐ Town of Ross
- ☐ Town of Fairfax
- ☐ Town of Corte Madera
- ☐ Town of San Anselmo
- ☐ Town of Tiburon
- ☐ County of Marin

EP No: _____ A / B

UNIFIED APPLICATION FOR ENCROACHMENT PERMIT

APPLICATION DATE: _____ APN: _____ - _____ - _____

LOCATION OF WORK OR ENCROACHMENT: Woodward Ave
No. Street City/Township

CROSS STREET: Marin Ave ESTIMATED COST: $

STARTING DATE: _____ COMPLETION DATE: _____

PROPERTY OWNER'S NAME AND ADDRESS (If Different from Applicant):
City of Sausalito

THE UNDERSIGNED HEREBY APPLIES FOR PERMISSION TO PERFORM THE FOLLOWING DESCRIBED WORK AND/OR OTHERWISE ENCROACH ON A LOCAL AGENCY RIGHT-OF-WAY (ROW):

DESCRIPTION OF WORK OR ENCROACHMENT (Include plans or sketch):

Check all that apply to the project and provide a written description:

- ☐ Driveway Approach
- ☐ Curb & Gutter
- ☐ Sewer Improvement
- ☐ Sidewalk
- ☐ Water Service
- ☐ Excavation
- ☐ Accessible Ramp
- ☐ New Utilities
- ☐ Landscaping
- ☐ Debris Box
- ☐ Special Event
- ☐ Other (Describe)

Describe: Relocate an existing sanitary sewer manhole from the driveway of 254 Woodward Ave. into the Woodward Ave. travel way, realign the sanitary sewer main, replace existing sanitary sewer main and laterals, remove and reconstruct a portion of the driveway of 254 Woodward Ave., and abandon portion of existing sanitary sewer.

Road Surface Type: ☑ Asphalt ☐ Concrete ☐ Other: _____

Trenching Work: ☑ Yes ☐ No Linear Feet: _____ Surface Thickness: _____

Traffic Control Plan: ☑ Yes ☐ No

Applicant agrees that all work will be performed in accordance with the rules, regulations and standards of the Local Agency Department of Public Works and any Local Municipal Code. All work shall be subject to inspection and approval by the Department of Public Works. Applicant shall indemnify, defend and hold the Local Agency, its officers, agents and employees harmless from any and all claims, suits or liability, including, but not limited to, litigation costs and attorney's fees which the Local Agency may incur as the result of any and all claims and suits for personal injury, property damage or inverse condemnation by reason of applicants placement of/or maintenance of encroachments authorized by this permit. No work shall commence until permit is issued.

APPLICANT'S NAME / COMPANY (PLEASE PRINT): _____

CONTRACTOR'S NAME: _____ Contractor License No: _____

APPLICANT'S MAILING ADDRESS: _____

AGENCY: _____

CONTACT NUMBERS: _____
Daytime Phone Fax Email

APPLICANT'S SIGNATURE: _____

For Agency Use Only

Accepted By: _____

Insurance on file? ❒ Yes ❒ No Final Insp. Cleared: ❒

Road Moratorium? ❒ Yes ❒ No Receipt #: _____

Fees:

Application: _____

Plan Review & Inspection: _____

Total: _____

*** Contact City of San Rafael Public Works for Specific Encroachment Permit Application**

Revised May 20

Encroachment Permit Conditions

- ☐ Construction Standard(s): _____
- ☒ Hard copy of the approved permit shall be on site at all times during work
- ☐ Comprehensive General Liability insurance in amounts not less than $1,000,000 combined single limit applying to bodily injury, personal injury and property damage are required.
- ☒ Additional Insured Endorsement: The local agency must be named as an additionally insured on a separate endorsement sheet that modifies the general liability policy.
- ☒ Contact local Police Department, Fire Department, and Parking Services prior to start of work. 415-479-5302
- ☒ The Contractor shall maintain local access and provide emergency vehicle access at all times.
- ☐ Compaction test is required and shall be submitted to local Public Works Department.
- ☒ Provide a traffic control plan per the Manual on Uniform Traffic Control Devices (MUTCD).
- ☒ Provide safe pedestrian and wheelchair access, per ADA and State requirements, during construction.
- ☒ All work shall be performed between the hours of 8am & 6pm
- ☐ Please contact _____ prior to start of work and for final inspection.
- ☐ Planning review required: YES / NO
- ☐ Special Conditions: _____

Encroachment Permit Approval

Approved By: _____ Date: _____

Inspected By: _____ Date: _____

On the Wednesday of the week before expected full street closure, contractor shall notify construction manager/inspection and City Staff.

At the end of each working day, driveways will be made fully accessible to vehicles on less contractor has made arrangements with affected resident(s).

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

DESCRIPTION:_____

Condition Marked ☑Apply to this Project

THIS ENCROACHMENT PERMIT IS GOOD FOR ☐ 6 MONTHS __ ☐ONE YEAR __ ☐ 18 MONTHS__ ☒ AS NOTED ON THE E.P.APPLICATION____

☒ 1. This permit, or a complete copy, shall be kept at the work site at all times while work is being performed.

☒ 2. Notify Engineering Division staff at least 24 hours in advance of beginning work. _____ Engineer at (415) 289-4106 ext. 111 and/or _X_____Sewer Systems Coordinator at (415) 289-4192.

☒ 3. Contractor is to comply with all requirement of Ordinance No. 1048 (Noise Ordinance) including limiting hours of work in residential areas between 8:00AM and ~~7:00~~6pm, Monday through Friday, between 9:00AM and 5:00PM, Saturdays, ~~and between 9:00AM and 7:00PM, on City Holidays~~ or City Holidays. No work is permitted on Sunday, except by owner occupant between 9:00AM and 7:00PM.

☒ 4. Permittee shall comply with all Federal State and local laws regulation and statutes applicable to the work being performed under this permit. This also includes compliance with the requirements and permit conditions of the State of California Division of Industrial Safety.

* ☒ 5. The Permittee shall repair or replace at the discretion of the City Engineer, any and all public facilities damaged as a result of Permittee's actions in connection with this permit, and shall guarantee repairs or replacements to all work done under this permit, as deemed necessary by the City Engineer for a period of one year after completion of said work.

☒ 6. All traffic control shall be performed in accordance with the requirements of the current edition of Caltrans publication, "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control" including all specified advance construction signs and channelization devices. Construction warning signs and channelization devices are to be sufficient to adequately inform and protect vehicles, bicycle and pedestrian traffic. Permittee shall have available a copy of the Manual for workers at the construction site at all times during the progress of the work.

☐ 7. Where excavations have been permitted in paved streets, Permittee shall place temporary informational signs at each end of the work in addition to those signs required by the "California Manual on Uniform Traffic Devices, Part 6- Temporary Traffic Control." Such informational signs shall be a minimum of 18 x 24 inches, clearly identify the owner of the facility for which the work is being done, and shall show a telephone number of the owner where the public may obtain information relative to the work being done.

☒ 8. Traffic shall be permitted to pass through the work area at all times unless otherwise permitted in writing by the City Engineer. Any street closures shall be approved in advance by the City Engineer.

☒ 9. If the City Engineer determines that public convenience or safety is being jeopardized by Permittee's actions or inactions, the City Engineer may order the condition remedied by either verbal or written communication to the Permittee. If Permittee fails to remedy the condition within eight hours of such notice, the City Engineer may, at his or her discretion, either remedy the condition or contract to remedy the condition, and the cost thereof, including administrative expenses shall be charged to the Permittee.

☒ 10. If any work is performed in the location of an existing pedestrian path of travel, the Contractor shall restore the path of travel compliant with all ADA accessibility standards.

* ☒ 11. Any pavement marking and/or legends which are damaged or removed shall be replaced in kind by the Contractor at his/her expense. ~~The repainting of any street markings or legends shall be performed using City stencils.~~

☒ 12. Wherever new work crosses any existing ~~City~~ utilities, the Contractor shall pothole the existing ~~City~~ utilities and determine their actual depth so as to avoid hitting these facilities during excavation.

☒ 13. All AC or PCC to be removed is to be sawcut at the edges.

☐ 14. All new AC street trench resurfacing is to be placed in maximum lifts of 3 inches and the final surface is to be fog sealed (unless a sand or slurry seal is called for on. the plans).

* Per contract documents

CITY OF SAUSALITO

STANDARD CONDITIONS FOR ENCROACHMENT PERMIT NO. _____

☒ 15. All sections of curb, gutter and sidewalk to be replaced, shall have 12 inch long dowels (#4 reinforcing bars) inserted 6" into the existing concrete. A minimum of 2 dowels shall be placed into the curb and gutter. A minimum of 2 dowels shall be placed into sidewalk. Sidewalk dowel spacing shall be 24 inches on center.

☒ 16. Portions of existing sidewalk or curb and gutter to be removed shall be removed to the nearest expansion joint or sawcut at an existing score mark. Sawcuts must be at least 1-1/2 inches deep.

☒ 17. Concrete curbs, gutters and sidewalk shall consist of five sacks of cement per cubic yard with 3/8" maximum aggregate. ~~Two pounds of lampblack shall be added per cubic yard~~. Slump shall not exceed 4 inches.

☒ 18. Special care shall be taken to match the existing finish, color, texture and score joining during replacement of the sidewalk.

☒ 19. Curb, gutter ~~and sidewalk~~ surfaces shall be broom finished unless otherwise approved by the City Engineer.

* ☒ 20. New sidewalk thickness shall be 4 inches minimum and driveway thickness shall be 6'" minimum.

☒ 21. All excavations shall be backfilled and paved either temporarily or permanently at the end of each work day or covered with steel traffic plates held securely in place.

* ☒ 22. All backfill placement shall be approved by the City Engineer prior to permanent pavement replacement.

☐ 23. Tree roots shall not be cut or in any way damaged by Permittee.

* ☒ 24. Trench backfill shall be ~~either concrete slurry containing one sack of cement per cubic yard with ¾ inch Maximum aggregate size~~, or Class 2 Aggregate Base compacted to 95% relative compaction as determined by California Test Method No. 216. All other trench details shall conform with Uniform Standard Drawing No. 330, 340 and 350 except as modified herein.

* ☒ 25. Permittee shall bear the entire cost of restoring the street or other property of the City, to the satisfaction of the City Engineer.

☒ 26. Excavated materials, equipment, construction materials or other debris shall not be stored or stockpiled on public streets

* ☒ 27. The top six inches of subgrade shall be compacted to at least 95% relative Compaction in accordance with California Test Method No. 236 and shall be dampened before placing concrete.

☒ 28. Where unsuitable subgrade material is encountered, the City Engineer may require remedial work to be done, including, but not limited to, placing a layer of crushed rock under the concrete 'section.

☒ 29. Undercut subgrade for gutter or sidewalk shall be filled with Class 2 Aggregate Base.

☐ 30. Where trench excavation is longitudinal with the traffic lane and extends 100 feet or more, a 2" minimum thickness of asphalt concrete paving with pavement reinforcing fabric shall be placed across the entire width of the affected traffic lane upon completion of trench work. Existing surfacing shall be removed as necessary to maintain satisfactory cross slopes.

* ☒ 31. One-half inch thick expansion joints shall be placed on both sides of driveway approaches, curb and sidewalk return points and at 4 feet on center. Weakened plane joints in sidewalk shall be at least 1-1/2 inch deep and placed at 16 feet on center.

☒ 32. All work shall be performed in accordance with the codes and ordinances of the City of Sausalito and the Uniform Construction Standards, Specifications of the Cities of Marin and County of Marin.

☐ 33. The Contractor is to provide a Storm Water Pollution Prevention Plan to the City for review and approval. City Approval must be obtained prior to commencing any work.

☒ 34. Underground Service Alert (USA) shall be notified at tel. (800) 642-2444, no later than 48 hours prior to excavation near utilities.

☐ 35. No new utility boxes or poles will be permitted in the sidewalk area without the written approval of the City Engineer.

* Per Contract Documents

Special Conditions 2023-0

1 The Encroachment Permit is only applicable to the public right of way; shall be responsible for ensuring that they have obtained permission from property owners prior to the use of their land.

2 No non-stormwater discharge shall enter the public storm drainage system or the Waters of The State. All Porta-Potties in the public Right of Way shall be equipped with a functional Secondary Containment Systems. The porta-potties shall be cleaned and maintained regularly throughout the project. The secondary containment shall be kept clear of trash, debris, and sewage. the secondary containment shall be properly cleaned or covered prior to any wet weather.

3 The public right of way shall be kept clean at all times. Spilled debris shall be cleaned promptly. No visible accumulation of sediment is permitted. No washing of sediment into drainage inlets is permitted. No materials associated with the work shall enter the waters of the State.

4 Prevent construction equipment/materials from entering stormdrains, sanitary sewers, ditches, creeks, or the bay.

5 Sweep streets and other paved areas daily. Never wash down streets or work areas with water.

6 Store any stockpiles of dirt, sand, asphalt, concrete, grout, or mortar under cover and away from drainage areas. These materials must never reach a storm drain, or other watercourse.

7 Contractor shall provide constant dust control.

8 Open structure/excavation(s) shall not be left unattended.

9 Trench plates shall be non-skid and anchored with railroad spikes or better.
At the end of each week trenches shall be fully backfilled and plugged with HMAC, EZ Street Premium Cold Asphalt or similar product, installed and maintained to match adjacent grade. Temporary trench paving shall be a minimum of 2-inches thick and shall be maintained in a smooth and usable condition at all times until final pavement restoration.

10 Contractor shall save and protect existing monuments. Any damaged monuments shall be reestablished along with the filing of all required documents including but not limited to Corner Record with Marin County Department of Public Works. Refer to Business & Professions code section 8771.

11 The surface course of trench restoration shall extend to the lip of gutter if the edge of trench is within 4’ of the lip of gutter, and to the edge of pavement if the edge of trench is within 4’ of an unpaved shoulder.
Existing pavements shall be removed to clean straight lines parallel and perpendicular to the flow of traffic. Do not construct final restoration patches with angled sides or irregular shapes.
The limits of the final pavement restoration shall terminate at one of the following locations: Center of the Lane, edge of the lane, edge of the bike lane, Island curb/gutter, edge of roadway curb/gutter. No paving joints shall be allowed in a vehicular wheel path.

12 Final pavement restoration in the Public Right of Way shall be completed within 3 working days sign off on the work.

At the end of each working day, no more than 60 feet +- of trench plate may be left in place. Additional trench plates may be installed in coordination with the Construction Manager or City Staff.

13 Maintain access to adjacent driveways.

14 No parking signs shall be obtained from City of Sausalito Department of Public Works one week in advance. Vehicles shall be parked legally in the parking spaces. No parking signs shall be posted and verified by the County Dispatch 72 hours prior to becoming effective for enforcement. To verify the no parking signs, call County Dispatch 415-479-5302.

15 shall provide advanced notification to the neighborhood effected by the road closure through mailers, phone call or door hangers. The notification shall at minimum include the date, time, location and duration of the road closure. The notification shall also include a contact phone number and the permit number for the road closure(EZ2023-0).

16 Project shall not increase emergency response time and shall allow emergency vehicles to pass without delay.

17 shall notify County Dispatch prior to any road closure: 415-479-5302 & provide road closure schedule. After calling County Dispatch, notify Department of Public Works at ENGINEERING@SAUSALITO.GOV If the road closure schedule changes, notify County Dispatch. After calling County Dispatch, notify Department of Public Works at ENGINEERING@SAUSALITO.GOV

18 shall provide an emergency contact phone number to County Dispatch. Emergency contact phone shall be monitored at all times while traffic control is in place.

19 Signs stating the date, time, location, contact name and phone number of responsible person in charge of the operation shall be posted, minimum one in each direction, at least 48 hours in advance of the closure. Signs shall consist of black letters on a white background, shall be at least two feet times four feet in size.

20 shall minimize the amount of time WOODWARD AVE. is closed and shall allow traffic to pass through the work area with a minimum of delay as soon as safely practical.

21 The Equipment shall not block the gutter.

22 Reflector/cones shall be placed at the traffic side corners of the Equipment.

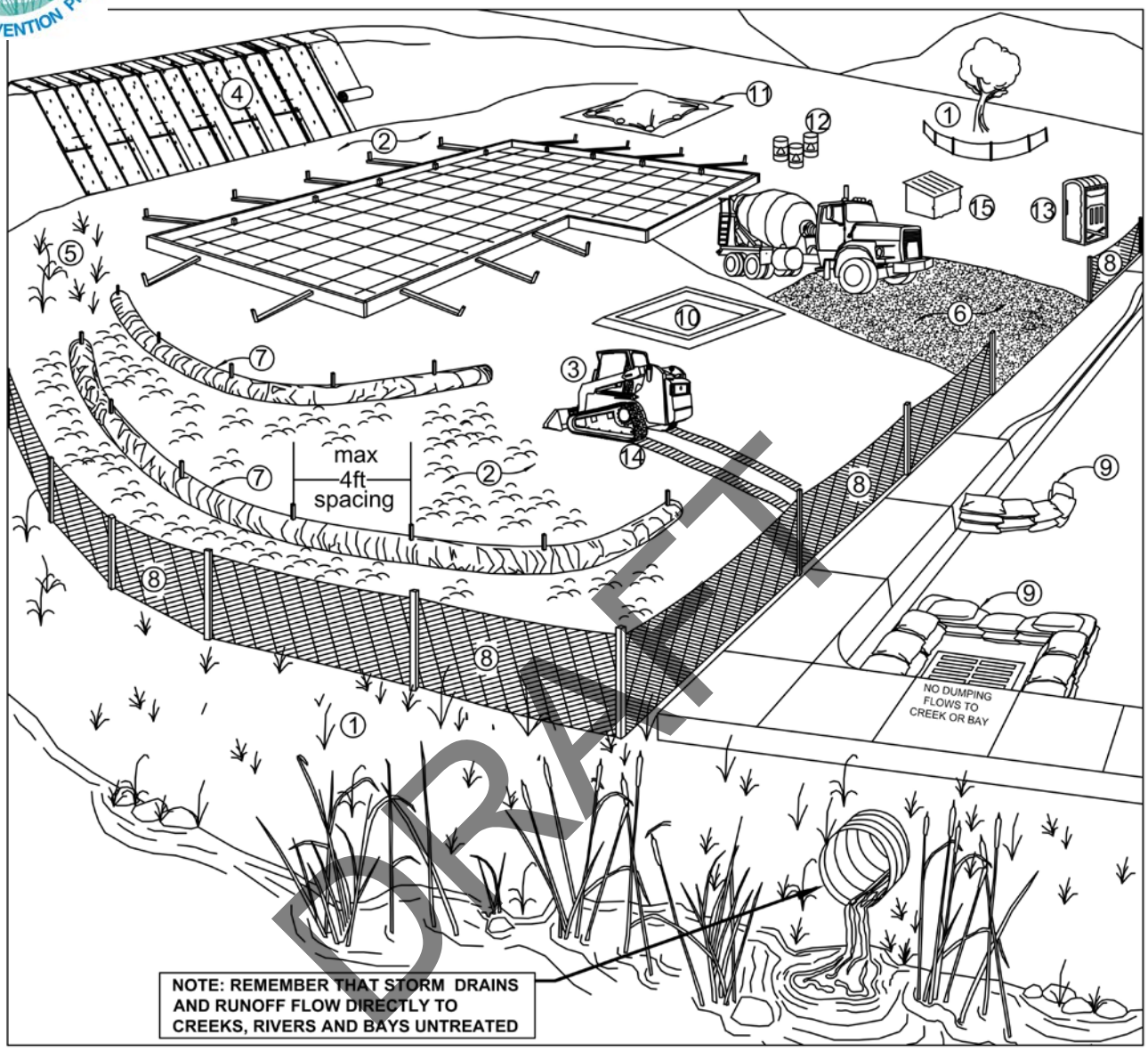
23 The Equipment shall be placed in a legal parking space.

24 If a subcontractor is to be used to perform any part of the work, subcontractor shall name the City of Sausalito as an additionally insured on a separate endorsement sheet that modifies the general liability policy prior to start of work, a copy of which shall be provided to the City of Sausalito. The description in the certificate shall include the following language: "The City of Sausalito, its agents, officers, officials, employees and volunteers as required by the permit are included as additionally insured.”

Addendum 1
9/25/23

Marin County Stormwater Pollution Prevention Program

Minimum Control Measures
For Small Construction Projects



Erosion Controls	Sediment Controls	Good Housekeeping
NS Scheduling	6. Tracking Controls	10. Concrete Washout
1. Preserve Vegetation & Creek Set Backs	7. Fiber Rolls	11. Stockpile Management
2. Soil Cover	8. Silt Fence	12. Hazardous Material Management
3. Soil Preparation/ Roughening	9. Drain Inlet Protection	13. Sanitary Waste Management
4. Erosion Control Blankets	NS Trench Dewatering	14. Equipment and Vehicle Maintenance
5. Revegetation		15. Litter and Waste Management

NS=not shown on graphic

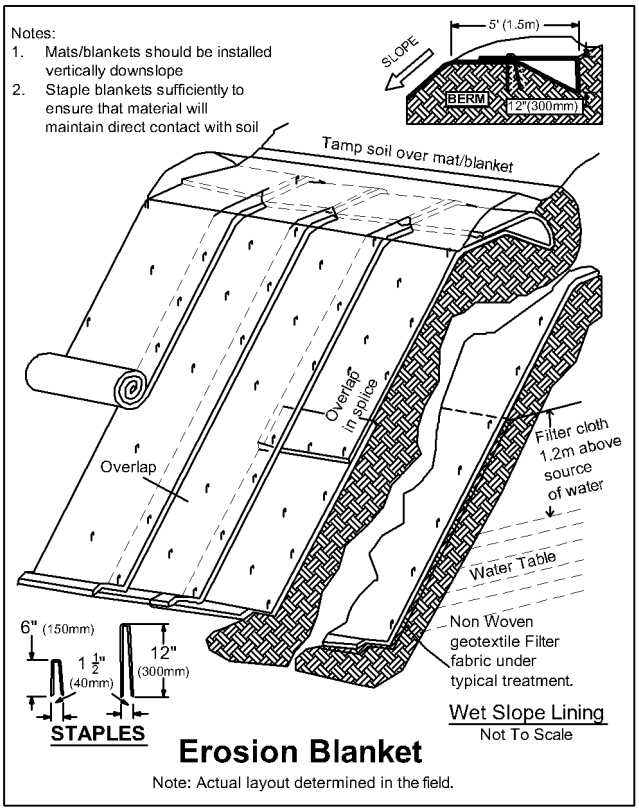
Note: Select an **effective combination of control measures from each category**, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be **continually implemented and maintained throughout the project** until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. **Inspect and maintain the control measures** before and after rain events, and as required by the local agency or state permit.

More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction* at http://www.casqa.org. Caltrans factsheets are available in the *Construction Site BMP Manual March 2003* at http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm.

Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.

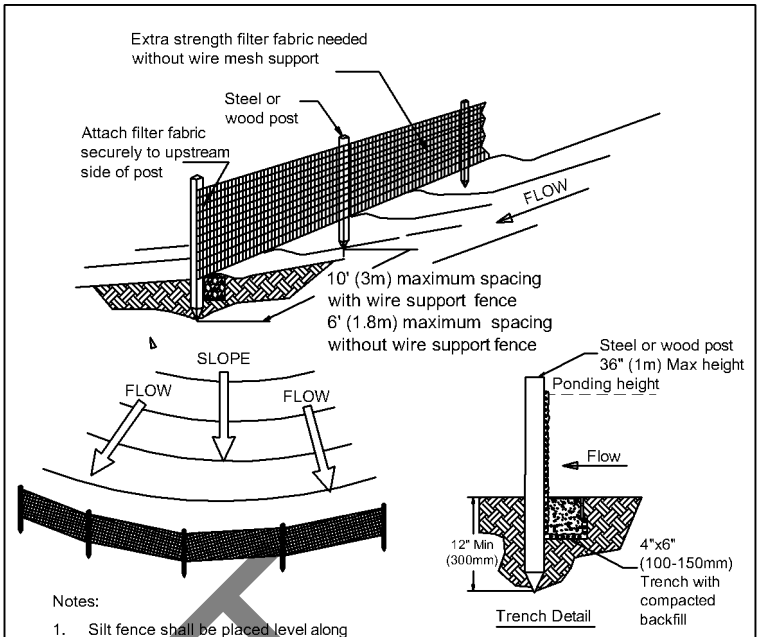
If you require materials in alternative formats, please contact:
415-473-4381 voice/TTY or disabilityaccess@co.marin.ca.us

Control Measure		General Description
Erosion Control Best Management Practices		
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. *For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1*.
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements. *For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.*
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). *For more info see the following factsheets: CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.*
3	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). *For more info see the following factsheets: CASQA: EC-15.*
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf. *For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.*
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. *For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.*
Sediment Control Best Management Practices		
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. *For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.*
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf. Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. *For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2).*
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control can be used in lieu of silt fences. *For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.*
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. *For more info see the following factsheets: CASQA: SE-10; or. Caltrans: SC-10.*
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~/media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf. *For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.*
Good Housekeeping Best Management Practices		
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. *For more info see the following factsheets: CASQA: WM-8; or .Caltrans: WM-8.*
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. *For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.*
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. *For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.*
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). *For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.*
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately clean up any spills or drips. *For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.*
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. *For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.*



Erosion Blanket

Note: Actual layout determined in the field.

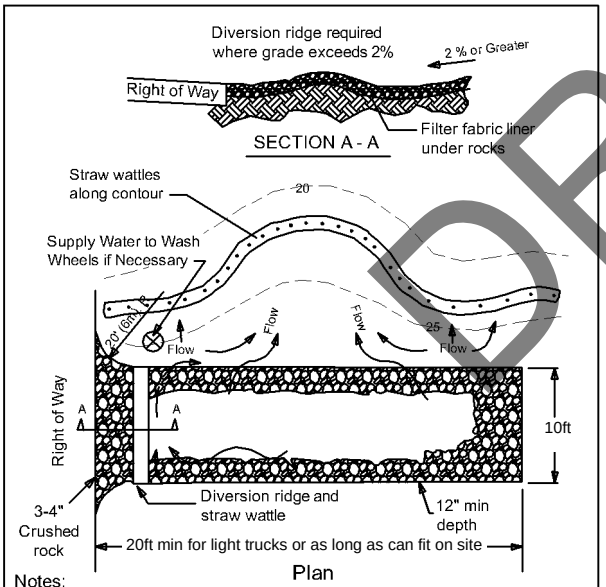


Notes:

1. Silt fence shall be placed level along slope contours to maximize ponding efficiency with the ends curved uphill to improve ability to retain water.
2. Inspect and repair fence after each storm event and remove sediment when accumulation reaches 1/3 of the barrier height.
3. Removed sediment shall be deposited to an area that will not contribute sediment off-site and can be permanently stabilized

Silt Fence

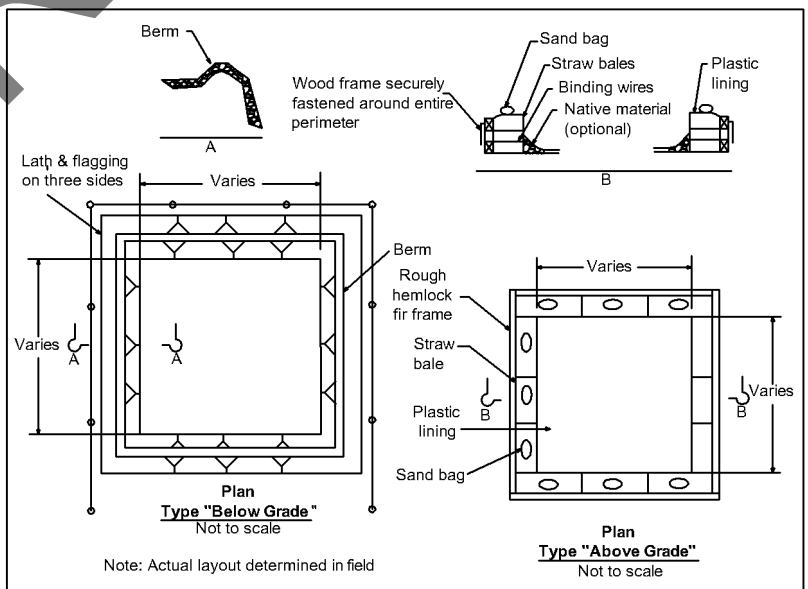
NOT TO SCALE



Notes:

1. The entrance shall be maintained to prevent sediment tracking or flowing onto public right-of-ways. This may require top dressing, repair and/or cleanout or other measures that trap sediment.
2. When necessary, wheels shall be cleaned prior to entering public right-of-way.
3. When washing is required, it shall be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. Rumble plates or tire wash can be added.

Site Entrance



Note: Actual layout determined in field

Concrete Washout

Catch Basins with Gravel Bags

(Do not use sand bags near inlets)

POLLUTION PREVENTION

IT'S PART OF THE PLAN

MAKE SURE YOUR CREWS AND SUBS DO THE JOB RIGHT!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements. Contact your local stormwater coordinator (see reverse). Storm drain polluters may be liable for fines!

EARTHWORK & CONTAMINATED SOILS

- Avoid scheduling earth disturbing activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all measures necessary to prevent erosion.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place a silt barrier downslope until soil is secure.
- Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should occur on the site, not in the street.
- Use sand bags, silt fences, hay bales, straw logs or other control measures to prevent the flow of silt off the site and into storm drains or creeks.

PAVING/ASPHALT WORK

- Do not pave during wet weather or when rain is forecast.
- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Do not sweep or wash down excess materials into storm drains, ditches or creeks. Collect these materials and return them to stockpiles, or dispose of as trash.
- Do not use water to wash down fresh asphalt or concrete pavement.

DEWATERING OPERATIONS

- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- Be sure to call the local Stormwater Coordinator before discharging water to a street, storm drain, or creek. Filtration or diversion through a basin, tank, or sediment trap may be required.

MATERIALS STORAGE & WASTE DISPOSAL

- Sweep streets and other paved areas daily. Never wash down streets or work areas with water!
- Be sure to store any stockpiles of dirt, sand, asphalt, concrete, grout, or mortar under cover and away from drainage areas. These materials must never reach a storm drain, or other watercourse.
- Wash out concrete equipment trucks off-site, or designate an on-site area for washing where water will flow into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.
- Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

HAZARDOUS MATERIALS MANAGEMENT

- Label all hazardous materials/wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- Follow manufacturer's application instructions for hazardous materials. Be careful not to use more than necessary.
- Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Dispose of hazardous materials/waste at the Hazardous Waste Collection Facility. For more information:

  Novato businesses call 892-6395

  All other businesses in Marin call 485-5648

CONTINUED ON BACK

PAINTING

- Never rinse paint brushes or materials into a storm drain or on the street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area, and spade it into the dirt with a shovel.
- Paint out excess oil-based paint before cleaning brushes in paint thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner at the hazardous waste collection facility. (See reverse for Hazardous Materials Management.)

LANDSCAPING

- Schedule grading and excavation projects for dry weather.
- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps and secured plastic sheeting.
- Store pesticides, fertilizers, and other chemicals indoors or in a locked shed or storage cabinet.
- Make sure products are properly labeled and check inventory before buying additional products.
- Rinse containers and use rinse water as products before tossing out empty containers (5 gallons or less) in the trash.
- Get rid of unwanted products through the hazardous waste facility. (See reverse for Hazardous Materials Management.)
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drain inlets with berms, filter mats or other inlet protection measures.
- Revegetate the area. It's an excellent form of erosion control for any site.
- Collect lawn and garden clippings, pruning waste and tree trimmings. Chip, if necessary, and compost.
- Do not place yard waste in gutters. In communities with curbside yard waste recycling, leave clippings and pruning waste for pick-up in approved bags or containers or, take to a landfill that composts yard waste.
- Do not blow or rake leaves into the street.
- Call the County Stormwater Program at 499-6528 and ask for a copy of Bay- Friendly Landscape Guidelines for the Landscape Professional or visit www.bayfriendly.org

POOL/FOUNTAIN/SPA MAINTENANCE

- Never discharge pool or spa water (and/or backwash water) to a street or storm drain. Call the County at 499-6528 for a copy of "Here's What To Do with the Water" or look in "other businesses" under www.mcstoppp.org

VEHICLE & EQUIPMENT MAINTENANCE

- Frequently, inspect vehicles and equipment for leaks. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only - and in a bermed area that will not allow rinsewater to run into streets, stormdrains, ditches, or creeks.
- Do not clean vehicles or equipment on site using soaps, solvents, degreasers, steam cleaning equipment, etc.

SAW CUTTING

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, sand bags, or fine gravel dams to keep slurry out of the storm drain system.If saw-cut slurry enters a stormdrain, clean up immediately.
- Shovel, absorb, or vaccuum saw-cut slurry and pick up all waste as soon as you are finished in one location and by the end of each work day.

STORMWATER COORDINATORS
(During Normal Business Hours)

Town of San Anselmo
Rabi Elias/Dave Craig
258-4616

City of Sausalito
Engineering
289-4191

Town of Corte Madera
Kevin Kramer
927-5057

City of San Rafael
Richard Landis
485-3355

City of Belvedere
Scott Derdenger
435-3838

County of Marin
Howard Bunce
499-3748

Town of Ross
Rob Maccario
453-8287 ext. 163

Town of Tiburon
Matt Swalberg
435-7354

Town of Fairfax
Kathy Wilkie
453-0291

City of Larkspur
Mike Myers
927-5017

City of Novato
Dave Harlan
899-8246

City of Mill Valley
Jill Barnes
388-4033 ext. 116

To report illegal discharges to local waterways occurring after normal business hours, call 911; or, the County Sheriff's non-emergency line at 499-7233.
To report oil and chemical spills occurring in "open waters" or "on land" call 1-800-OILS911.
To report fish kills or poaching, call the California Department of Fish and Game at 1-888-334-2258.

1. EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS OR AT SAWCUTS AS FIELD MARKED BY AGENCY ENGINEER. SAWCUTS MUST GO ENTIRELY THROUGH CONCRETE.

2. FOR NEW DEVELOPMENT, NO UTILITY BOXES OR POLES WILL BE PERMITTED IN THE SIDEWALK AREA WITHOUT THE PRIOR WRITTEN APPROVAL OF THE AGENCY ENGINEER.

3. WHERE UNDERCUT SUBGRADE OR UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, THE AGENCY ENGINEER MAY REQUIRE REMEDIAL WORK TO BE DONE, INCLUDING OVER EXCAVATION AND BACKFILLING WITH CRUSHED ROCK AND, WHEN DIRECTED BY THE ENGINEER, PLACING GEOTEXTILE FABRIC BENEATH THE NEW CONCRETE SECTION.

4. SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION IN THE TOP SIX INCHES.

5. NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR. FOR NEW INSTALLATIONS PLACED ADJACENT TO EXISTING, 2LB. DAVIS BLACK #8084 (OR EQUIVALENT) PER CU. YD. CONCRETE SHALL BE ADDED TO MIX.

6. EXCEPT WHERE SPECIFIED OTHERWISE HEREIN, NO ADMIXTURES SHALL BE USED WITHOUT THE PERMISSION OF THE AGENCY ENGINEER.

7. FORMS SHALL MEET GRADE AND FORM FACES SHALL NOT VARY FROM THE DIMENSIONS SHOWN BY MORE THAN 1/2 INCH.

8. NO CONCRETE SHALL BE PLACED UNTIL THE AGENCY ENGINEER HAS INSPECTED AND APPROVED FORMS AND SUBGRADE/BASE.

9. SUBGRADE/BASE SHALL BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE.

10. CONCRETE SHALL BE A MINIMUM CLASS B (5 SACK MIX) WITH 1 INCH MAXIMUM AGGREGATE FROM AN APPROVED MIXING PLANT. NO BAGGED MIX IS PERMITTED.

11. CONCRETE SHALL HAVE A SLUMP OF NOT MORE THAN FOUR INCHES.

12. FOR SIDEWALKS AND DRIVEWAY APPROACHES, 1/4 INCH DEEP SCORE LINES SHALL BE PLACED AT FOUR FEET ON CENTER OR AS DIRECTED BY THE AGENCY ENGINEER.

13. WEAKENED PLANE JOINTS AT LEAST 3/4" DEEP SHALL BE PLACED AT A MINIMUM 16 FEET ON CENTER EXCEPT FOR SIDEWALKS AND DRIVEWAY APPROACHES WHICH SHALL BE A MINIMUM 5 FEET ON CENTER.

14. 3/8 INCH THICK EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF DRIVEWAY APPROACHES, AT CURB AND SIDEWALK RETURN POINTS, DRAINAGE STRUCTURES AND OTHER LOCATIONS AS SHOWN ON THE PLANS.

15. ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2 INCH RADIUS TOOL.

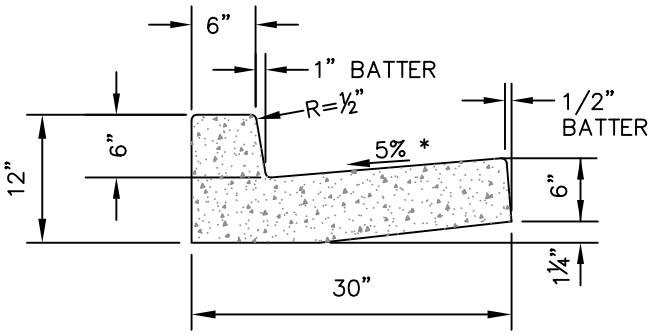
16. ALL FLAT SURFACES SHALL BE LIGHT BROOM FINISHED UNLESS OTHERWISE SPECIFIED BY AGENCY ENGINEER.

17. CURBS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL HAVE FORMS REMOVED AND BE BACKFILLED WITHIN SEVEN DAYS AFTER POURING.

18. THE DESIGNATED DIMENSIONS AND SLOPES MAYBE MODIFIED TO ACCOMMODATE EXISTING ADJACENT FACILITIES SUBJECT TO THE APPROVAL OF THE AGENCY ENGINEER.

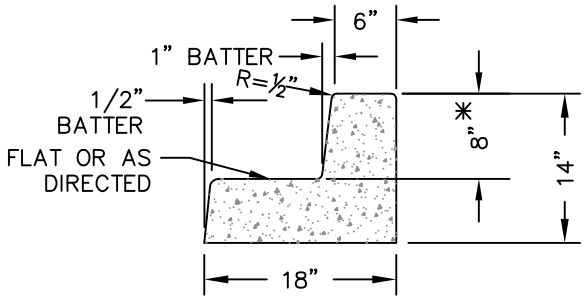
UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	REQUIREMENTS FOR CONCRETE CURB, GUTTER, SIDEWALK, DRIVEWAY AND OTHER "FLATWORK"				MARCH 2018
					DWG. NO. 100
		REV.	DATE	BY	

Addendum 1
9/25/23

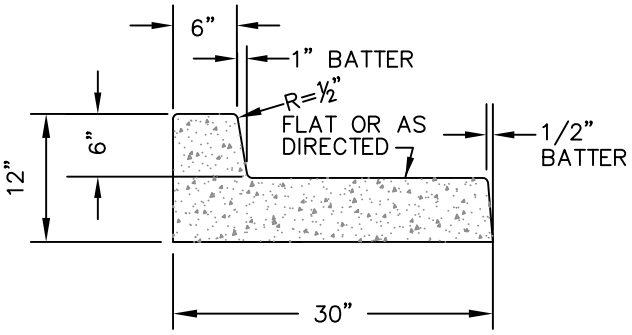


TYPE "A" CURB

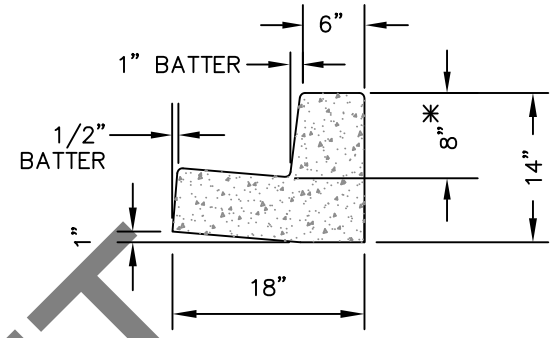
* 3% MAX. AT CURB RAMPS



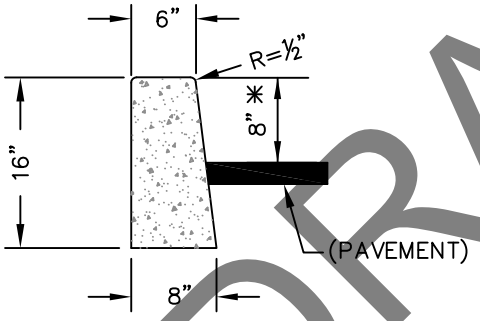
TYPE "B" CURB



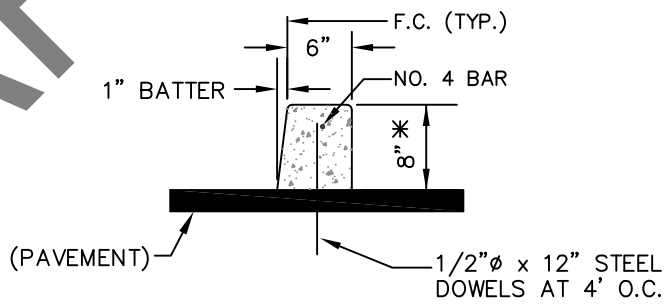
TYPE "C" CURB



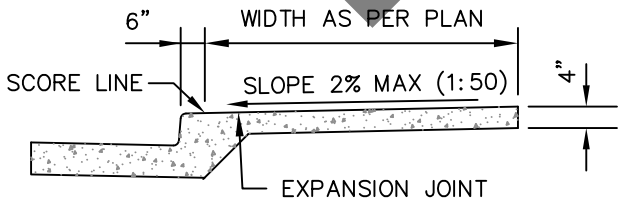
TYPE "D" CURB



TYPE "E" CURB

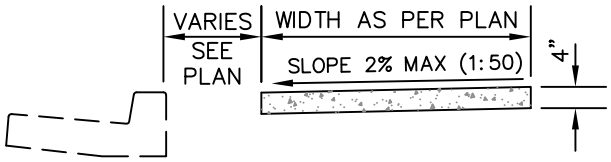


TYPE "F" CURB



TYPE "A" SIDEWALK

POUR CURB & GUTTER
SEPARATELY FROM SIDEWALK



TYPE "B" SIDEWALK

POURED SEPARATE FROM CURB

NOTES:

1. SEE DRAWING NO. 100 FOR GENERAL REQUIREMENTS.
2. ✳ 8" CURB HEIGHT UNLESS 6" HEIGHT APPROVED BY AGENCY ENGINEER.

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	CURB, GUTTER AND SIDEWALK DETAILS	REV.	DATE	BY	MARCH 2018
					DWG. NO. 105

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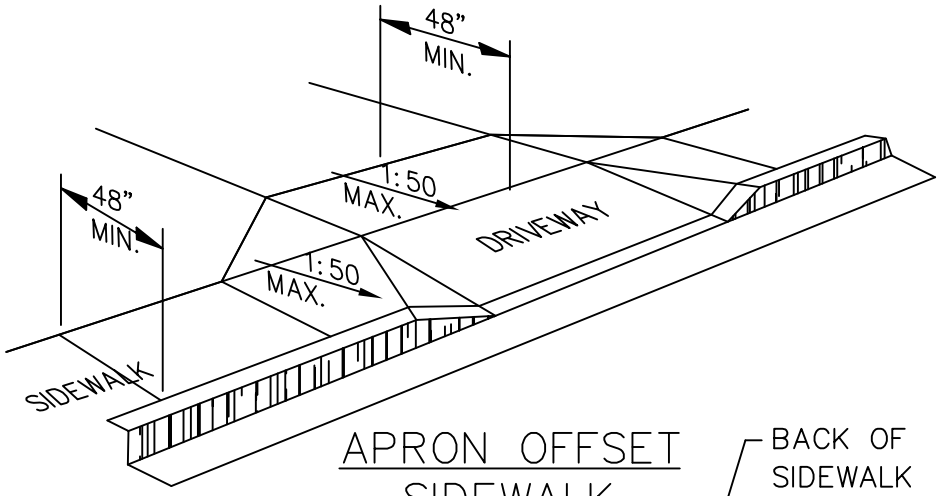
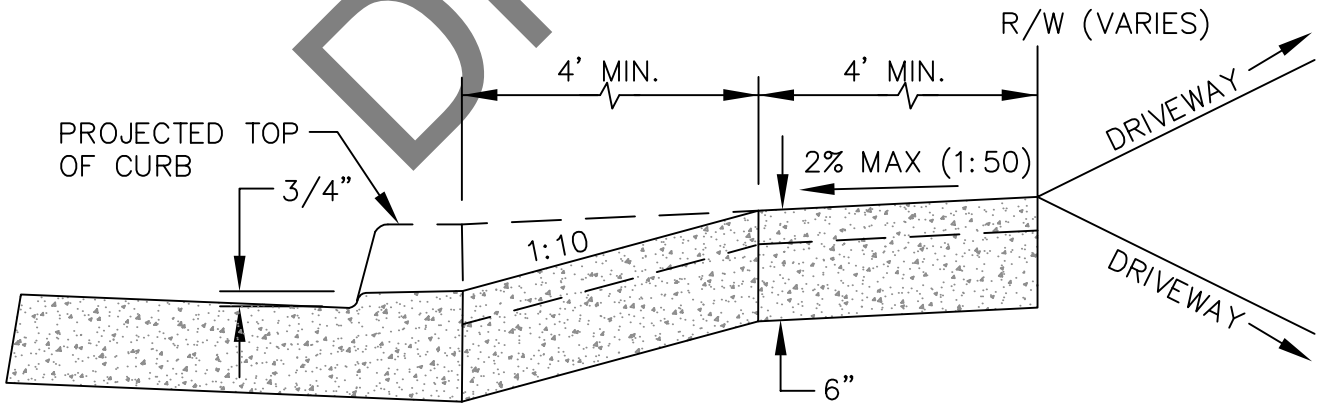
Addendum 1
9/25/23



APRON OFFSET SIDEWALK

PLAN



SECTION A–A

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	OFFSET SIDEWALK AT DRIVEWAY				MARCH 2018
					DWG. NO. 120
		REV.	DATE	BY	

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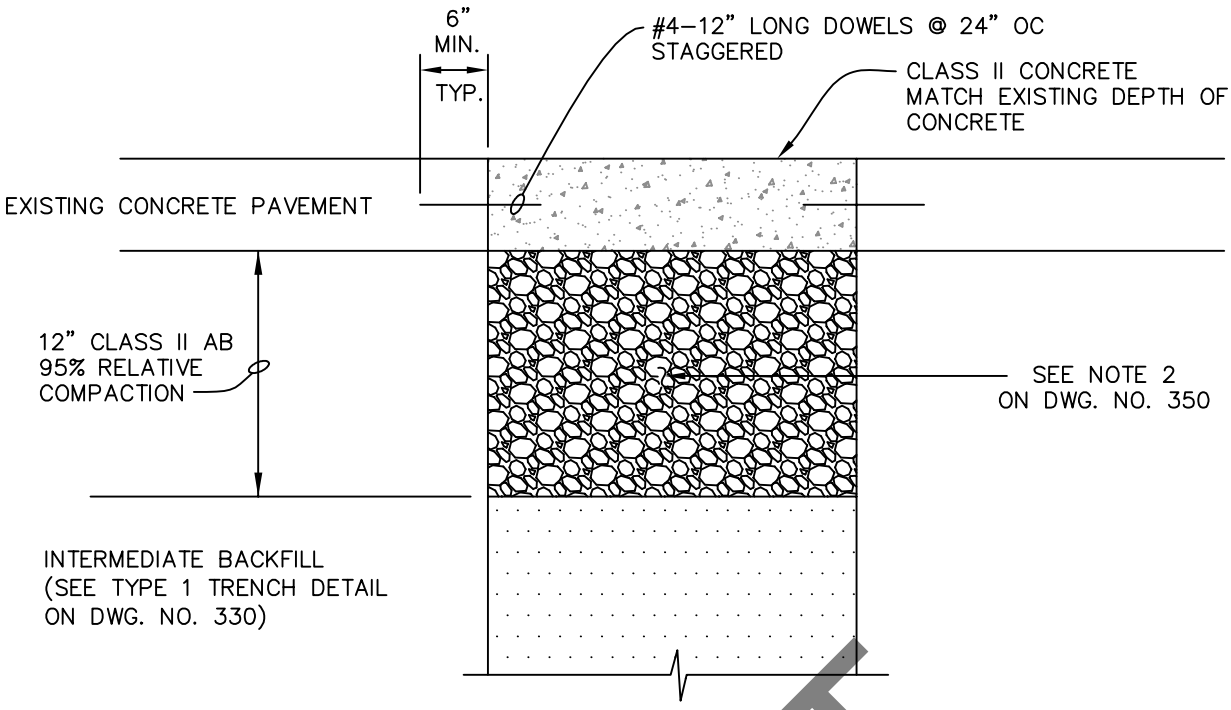
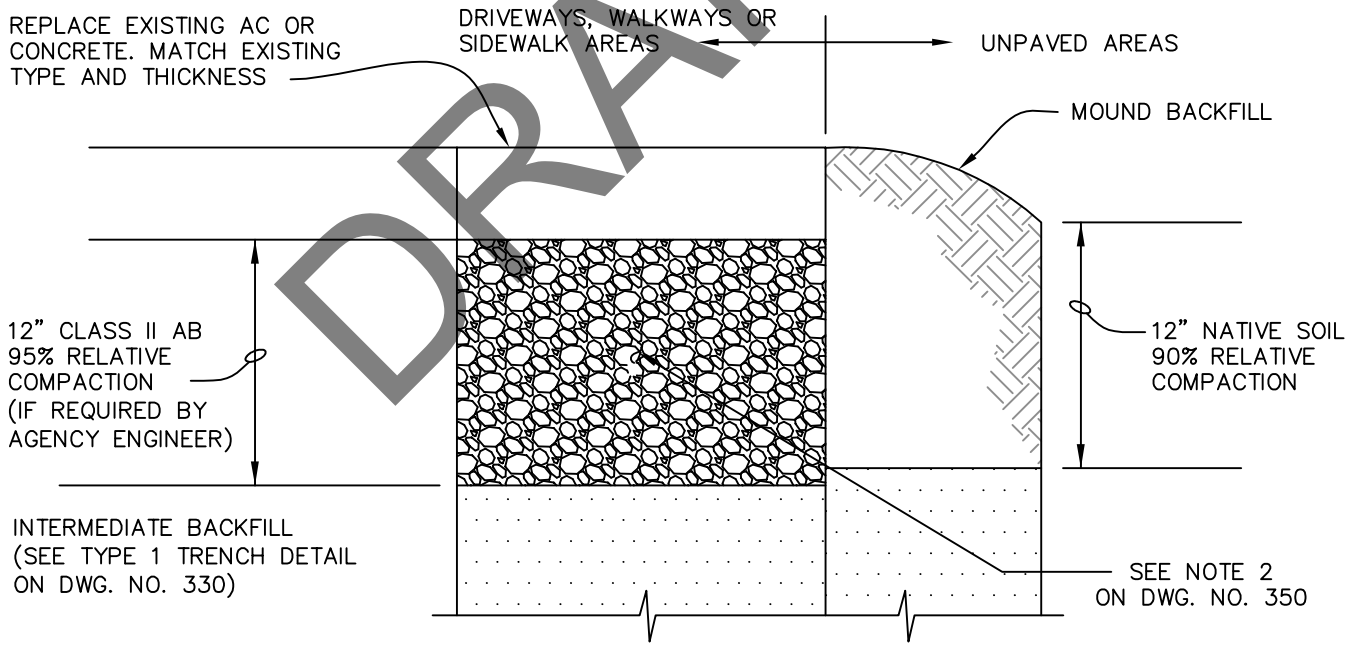
Addendum 1
9/25/23



TYPE 2

CONCRETE PAVED STREETS



NOTE: FOR TRENCHES IN UNPAVED SHOULDERS, TOP 12" SHALL BE CLASS II AB 95% RELATIVE COMPACTION.

TYPE 3

AREAS OTHER THAN STREETS IN THE PUBLIC RIGHT OF WAY

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Addendum 1
9/25/23

MATERIAL AND COMPACTION REQUIREMENT FOR TRENCH BACKFILL

1. INTERMEDIATE BACKFILL SHALL BE CLASS II AGGREGATE BASE. SUITABLE NATIVE OR IMPORTED GRANULAR MATERIAL MAY BE USED IF ALLOWED BY AGENCY ENGINEER. RELATIVE COMPACTION SHALL BE AT LEAST 90%.

2. CLASS II AGGREGATE BASE SHALL CONFORM TO THE STATE STANDARD SPECIFICATIONS. MINIMUM RELATIVE COMPACTION SHALL BE 95%. IF PAVEMENT HAVING A STRUCTURAL SECTION GREATER THAN 15" IS CUT, ADDITIONAL BASE MATERIAL MAY BE REQUIRED BY THE AGENCY ENGINEER. BASE SHALL BE PLACED AND COMPACTED PRIOR TO PLACING OF TEMPORARY PAVING.

3. TESTING OF MATERIALS AND PERFORMANCE SHALL BE IN CONFORMANCE WITH THE METHODS STATED IN THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, EXCEPT THAT RELATIVE COMPACTION MAY BE TESTED BY AASHTO METHOD T180, ASTM D-1557, OR TEST METHOD CALIF. 231 (NUCLEAR DENSITOMETER).

4. PLACE AC IN 3" MAX, LIFTS, EXCEPT FINAL LIFT SHALL BE 2 1/2" MAX. ADDITIONAL THICKNESS AND LIFTS OF ASPHALT CONCRETE MAY BE REQUIRED TO MATCH EXISTING STRUCTURAL SECTION ON MAJOR ROADS, OR PER LOCAL JURISDICTION REQUIREMENTS.

5. "JETTING" OF BACKFILL MATERIAL IS NOT PERMITTED.

6. THE USE OF PEA GRAVEL (OR SIMILAR ROUNDED AGGREGATE), IS NOT PERMITTED.

7. THE USE OF CONTROLLED DENSITY FILL (CDF) SHALL BE APPROVED BY THE AGENCY ENGINEER PRIOR TO PLACEMENT.

8. TRENCH EDGES SHALL BE TRIMMED TO A NEAT LINE AS REQUIRED BY THE AGENCY ENGINEER. TRIMMING SHALL BE BY ROTARY GRINDER. TRENCH LINES SHALL HAVE THE LEAST AMOUNT OF JOGS AND REMAIN LINEAR AS MUCH AS POSSIBLE. REFERENCE DRAWING NO. 360, 370 & 380.

9. THE SURFACE COURSE OF TRENCH RESTORATION SHALL EXTEND TO THE LIP OF GUTTER IF THE EDGE OF TRENCH IS WITHIN 4' OF THE LIP OF GUTTER, AND TO THE EDGE OF PAVEMENT IF THE EDGE OF TRENCH IS WITHIN 4' OF AN UNPAVED SHOULDER.

10. CONTRACTOR MUST SHORE ALL TRENCHES IN CONFORMANCE WITH OSHA AND STATE SAFETY STANDARDS.

11. ALL HOT MIX ASPHALT (HMA) MATERIAL, METHODS AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.

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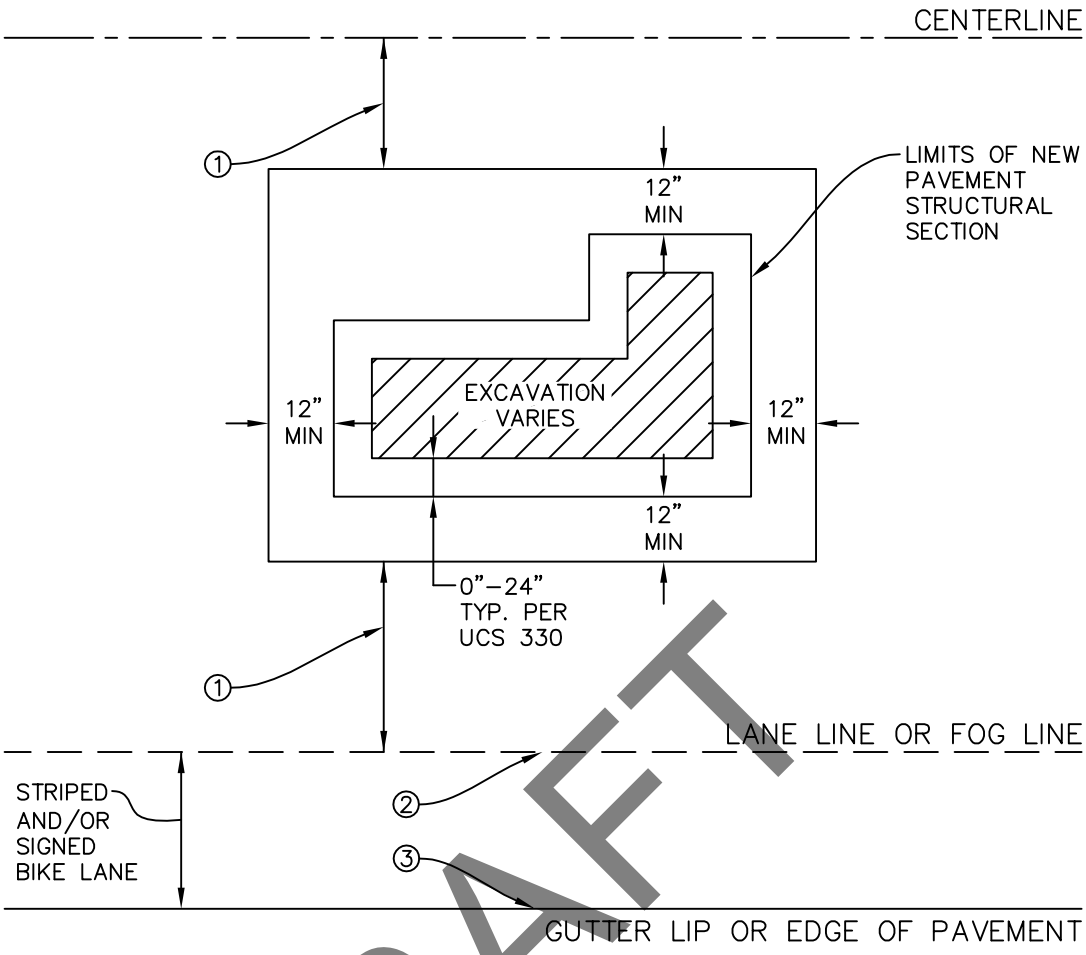
Addendum 1
9/25/23



PLAN

NOTES:

① FOR TRENCH REPAIRS IN THE VEHICLE TRAVEL LANE(S), THE RESTORATION SHALL BE EXTENDED TO THE LANE LINE OR CENTER OF LANE WHICHEVER IS CLOSER, IN ACCORDANCE WITH MINIMUM T–CUT DIMENSIONS SHOWN ON DRAWING 330.

② IF THE LIMITS OF RESTORATION ENTER A STRIPED AND/OR SIGNED BIKE LANE, THE RESTORATION SHALL BE EXTENDED TO COVER THE ENTIRE BIKE LANE WIDTH.

③ IF THE LIMITS OF EXCAVATION ARE WITHIN 4 FT OF THE GUTTER LIP OR EDGE OF PAVEMENT, THE RESTORATION SHALL BE EXTENDED TO THE GUTTER LIP OR EDGE OF PAVEMENT.

LEGEND:

- CENTERLINE
- LINE LANE OR FOG LINE
- GUTTER LIP OR EDGE OF PAVEMENT
- DIRECTION OF TRAVEL

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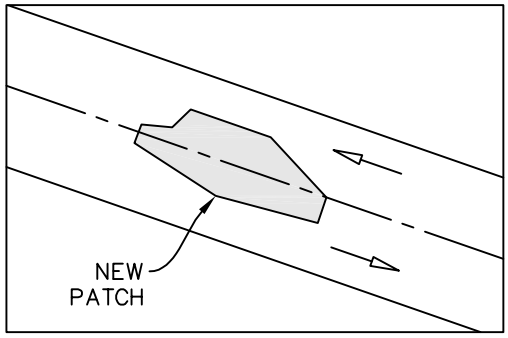
Addendum 1
9/25/23

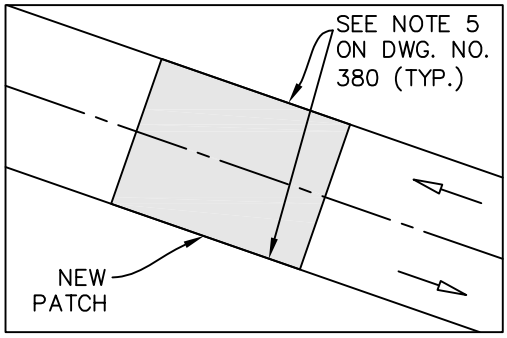
CASE A

NOT ACCEPTABLE



PLAN

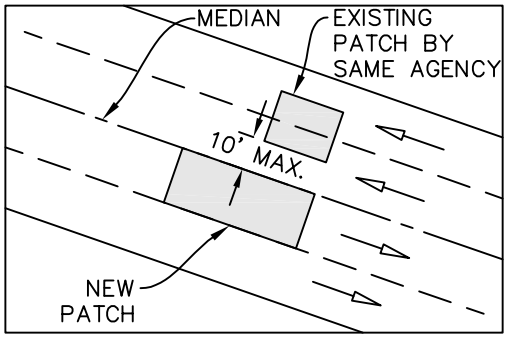
ACCEPTABLE



NOTE: REFER TO DRAWING NO. 380

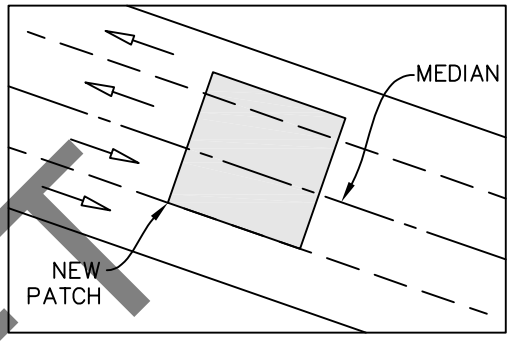
CASE B

NOT ACCEPTABLE



PLAN

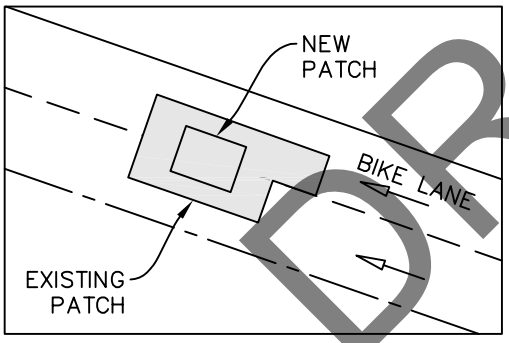
ACCEPTABLE



NOTE: REFER TO DRAWING NO. 380 (NOTE 2)

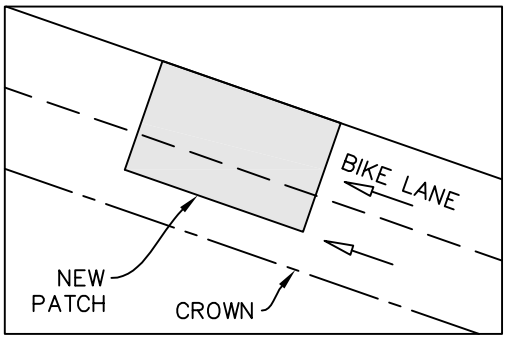
CASE C

NOT ACCEPTABLE



PLAN

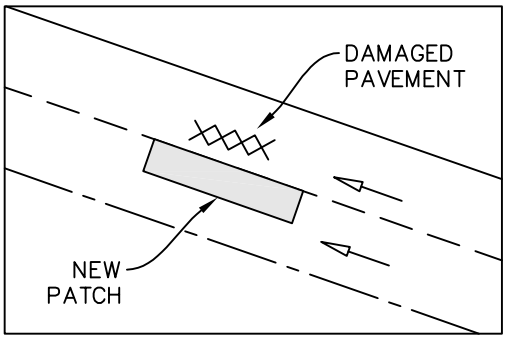
ACCEPTABLE



NOTE: REFER TO DRAWING NO. 380 (NOTE 3)

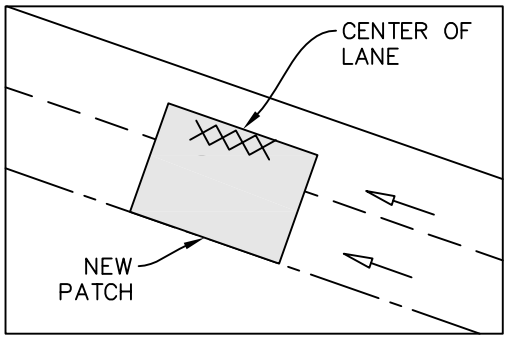
CASE D

NOT ACCEPTABLE



PLAN

ACCEPTABLE



NOTE: REFER TO DRAWING NO. 380 (NOTE 4) & NOTE 5

*SEE DWG. NO. 360 FOR LINE TYPE LEGEND.

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Addendum 1
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RESTORATION OF ASPHALT REQUIREMENTS

NOTES:

① EXISTING PAVEMENTS SHALL BE REMOVED TO CLEAN, STRAIGHT LINES PARALLEL AND PERPENDICULAR TO THE FLOW OF TRAFFIC. DO NOT CONSTRUCT FINAL RESTORATION PATCHES WITH ANGLED SIDES AND IRREGULAR SHAPES.

② IF A PROPOSED CUT IS WITHIN 10 FT OF AN EXISTING PATCH ORIGINALLY PERFORMED BY THE SAME AGENCY, EXTEND THE FINAL RESTORATION TO THE EXISTING PATCH (FOR BELL HOLE OR TRENCH NO GREATER THAN 10 FT LONGITUDINAL).

③ IF A NEW PATCH IS DONE WITHIN AN EXISTING PATCH, THE BOUNDARIES OF THE FINAL RESTORATION FOR THE PATCHES SHALL COINCIDE.

④ IF A SECTION OF PAVEMENT IS DAMAGED DURING CONSTRUCTION, THE FAILED AREA SHALL BE REMOVED TO SOUND PAVEMENT AND PATCHED. IF THE DAMAGED AREA IS WITHIN 10 FT OF THE NEW PATCH, THE FINAL RESTORATION OF THE PATCHES SHALL COINCIDE.

⑤ LIMITS OF FINAL PAVEMENT RESTORATION TO STOP AT ONE OF THE FOLLOWING LOCATIONS: CENTER OF LANE, TRAVEL LANE LINE, BIKE LANE LINE, ISLAND CURB/GUTTER, EDGE OF ROADWAY PAVEMENT CURB/GUTTER. NO PAVING JOINTS SHALL BE ALLOWED IN A VEHICULAR WHEEL PATH.

⑥ STEEL PLATES USED FOR BRIDGING SHALL EXTEND A MINIMUM OF 1 FT BEYOND THE EDGE OF TRENCH. PLATES SHALL HAVE NONSKID ABRASIVE SURFACE PER CALTRANS SPECIFICATIONS 75-1.03F, AND COUNTER-SINKING MAY BE REQUIRED WHEN DEEMED NECESSARY BY AGENCY ENGINEER.

⑦ CUTBACK SHALL NOT BE USED EXCEPT WHEN PRE-APPROVED BY THE AGENCY ENGINEER OR WHEN TRIMMING TRENCH PLATES.

⑧ ROADWAY RESTORATION WIDTH, BEYOND THE TRENCH EDGES, VARIES FROM 0"-24". DURING THE PERMIT PROCESS, THE AGENCY WILL REVIEW GEOTECHNICAL AND HISTORICAL INFORMATION OF THE TRENCHING LOCATION, AS PRESENTED BY THE UTILITY OWNER, AND CONSIDER EXISTING PAVEMENT CONDITION, SUITABLE SUBGRADE AND THE PROPOSED SCOPE OF WORK TO DETERMINE RESTORATION WIDTH. THE PERMITTING AGENCY RESERVES THE RIGHT TO ADJUST THE RESTORATION WIDTH DUE TO FIELD OBSERVATIONS DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED TO, OBSERVING BREAKOUT, UNDERMINING OF ADJACENT PAVEMENT, UNSTABLE WALLS OF TRENCH, DAMAGE TO SURROUNDING UNDISTURBED PAVEMENT, AND/OR PAVEMENT OR SUBGRADE DAMAGE FROM CONTRACTOR OPERATIONS.

Table A

Road Type	Traffic Index**	Min. AC*** (TOTAL)	Final Surface AC, Min.	Pavement Repair Structural Section		
				Assumes R Value = 10*		
				AC Thickness	AB Thickness	Alternate Deep Lift A.C.
Local	5.0	4"	2.0"	4.0"	7.0"	7.0"
Collector	6.5	5"	2.0"	5.0"	11.0"	11.0"
Arterial**	8.0	6"	3.0"	6.0"	14.0"	14.0"

NOTES: *Unless applicant provides actual R-Value test results and pavement section design
**Or as approved by City/County Engineer based on actual traffic loading
***Minimum AC thickness shall math existing or as shown in Table A, whichever is greater

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